IN THE CLAIMS

Please amend the claims as follows:

1. (Original) A method for detecting a communication transfer rate over a network, the method comprising:

requesting a first communication link connection on the network using a default transfer rate;

requesting a second communication link connection on the network using a secondary transfer rate, if the requested first communication link connection at the default transfer rate is unsuccessful;

monitoring a number of successful communication link connections established using the secondary transfer rate; and

changing a value of the default transfer rate to a value of the secondary transfer rate if the number of successful communication link connections at the secondary transfer rate exceeds a predetermined threshold value.

2. (Original) The method according to claim 1, wherein the network comprises an integrated services digital network (ISDN) for communicating digital information.

3. (Original) The method according to claim 1, wherein the default transfer rate is approximately 64 Kbps.

4. (Original) The method according to claim 1, further comprising receiving a failed connection signal in response to the request for the first communication link connection indicating that the first communication link connection at the default transfer rate is unsuccessful.

5. (Original) The method according to claim 1, wherein the secondary transfer rate is approximately 56 Kbps.

6. (Original) A method of operating communication equipment coupled to a data communication network, the method comprising:

establishing a plurality of communication links on the data communication network, each one of the communication links comprises:

requesting a first data communication link using a default communication transfer rate of 64 Kbps,

receiving an indicating from the data communication network that the first data communication link was unsuccessful, and

requesting a second data communication link using a secondary communication transfer rate of 56 Kbps;

monitoring a number of successful second data communication link requests using the secondary communication transfer rate;

changing the default communication transfer rate to 56 Kbps if the number of successful second data communication link requests exceeds a predetermined threshold value; and

establishing a plurality of subsequent communication links on the data communication network comprising requesting a first data communication link using a default communication transfer rate of 56 Kbps.

7. (Original) A method of operating communication equipment coupled to a data communication network, the method comprising:

establishing a plurality of communication links on the data communication network, each one of the communication links comprises:

requesting a first data communication link using a default communication transfer rate of 64 Kbps,

receiving an indication from the data communication network that the first data communication link was unsuccessful, and

requesting a second data communication link using a secondary communication transfer rate of 56 Kbps;

monitoring a number of unsuccessful first data communication link requests using the default communication transfer rate;

changing the default communication transfer rate to 56 Kbps if the number of unsuccessful first data communication link requests exceeds a predetermined threshold value; and

establishing a plurality of subsequent communication links on the data communication network comprising requesting a first data communication link using a default communication transfer rate of 56 Kbps.

8. (Original) A communication router comprising:

a communication interface which can be coupled to a communication network to establish a data communication link;

a register circuit coupled to a processor to monitor the number of successful and/or unsuccessful data communication links; and

the processor initiates data communication links at either a default communication rate, or a secondary communication rate, and the processor adjusts a value of the default communication rate in response to the register circuit.

9. (Original) The communication router of claim 8 wherein the default communication rate and the secondary communication rate are selected from the group comprising 64 Kbps and 56 Kbps.

10. (Original) The communication router of claim 8 wherein the communication network is an integrated services digital network (ISDN).

11. (Original) The communication router of claim 8 wherein the processor adjusts the value of the default communication rate when a value of the register circuit exceeds a predetermined threshold value.

12. (Original) The communication router of claim 8 wherein the register circuit monitors a number of unsuccessful data communication links attempted using the default communication rate.

13. (Original) The communication router of claim 8 wherein the register circuit monitors a number of successful data communication links attempted using the secondary communication rate.

14. (Original) A computer readable medium having a computer program stored thereon for instructing a computer to perform a method comprising:

requesting a first communication link connection on a network using a default transfer rate;

requesting a second communication link connection on the network using a secondary transfer rate, if the requested first communication link connection at the default transfer rate is unsuccessful;

monitoring a number of successful communication link connections established using the secondary transfer rate; and

changing a value of the default transfer rate to a value of the secondary transfer rate if the number of successful communication link connections at the secondary transfer rate exceeds a predetermined threshold value.

15. (Original) A computer readable medium having a computer program stored thereon for instructing a computer to perform a method comprising:

establishing a plurality of communication links on the data communication network, each one of the communication links comprises:

requesting a first data communication link using a default communication transfer rate of 64 Kbps,

receiving an indication from the data communication network that the first data communication link was unsuccessful, and

requesting a second data communication link using a secondary communication transfer rate of 56 Kbps;

monitoring a number of unsuccessful first data communication link requests using the default communication transfer rate;

changing the default communication transfer rate to 56 Kbps if the number of unsuccessful first data communication link requests exceeds a predetermined threshold value; and

establishing a plurality of subsequent communication links on the data communication network comprising requesting a first data communication link using a default communication transfer rate of 56 Kbps.

16. (Original) A data communication system comprising:

a data communication network capable of operating at a maximum data communication rate; and

a data communication transmitter coupled to the data communication network comprising;

a communication interface which is coupled to the data communication network to establish a data communication link;

a register circuit coupled to a processor to monitor the number of successful and unsuccessful data communication links; and

the processor initiates data communication links at either a default communication rate, or a secondary communication rate, and the processor adjusts a value of the default communication rate in response to the register circuit.

17. (Original) The data communication system of claim 16 wherein the data communication network is an integrated services digital network (ISDN).

18. (Original) The data communication system of claim 16 wherein the data communication transmitter can communicate data at either 64 Kbps or 56 Kbps.

19. (Original) The data communication system of claim 16 wherein the maximum data communication rate of the data communication network is at least 56 Kbps.

20. (Original) The data communication system of claim 16 wherein the data communication transmitter has a default communication rate of 64 Kbps when a value of the register circuit is less than a predetermined threshold value.

21. (Original) The data communication system of claim 16 wherein the data communication transmitter adjusts the value of the default communication rate from 64 Kbps to 56 Kbps in response to the register circuit.

22-32. (Canceled)